

**UTILITY PATENT APPLICATION TRANSMITTAL**  
**(Small Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.  
8603.63

Total Pages in this Submission

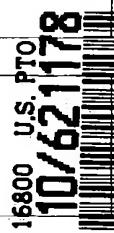
**TO THE COMMISSIONER FOR PATENTS**  
**Mail Stop Pat nt Application**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

**METHODS FOR OBTAINING QUICK AND REPEATABLE ELECTRICAL SIGNALS IN LIVING ORGANISMS**

and invented by:

Douglas S. Horne, Phillip W. Dietz, and Harold E. Swift



If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:

Continuation    Divisional    Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

Continuation    Divisional    Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Which is a:

Continuation    Divisional    Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Enclosed are:

**Application Elements**

1.  Filing fee as calculated and transmitted as described below
  
2.  Specification having 29 pages and including the following:
  - a.  Descriptive Title of the Invention
  - b.  Cross References to Related Applications (*if applicable*)
  - c.  Statement Regarding Federally-sponsored Research/Development (*if applicable*)
  - d.  Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix
  - e.  Background of the Invention
  - f.  Brief Summary of the Invention
  - g.  Brief Description of the Drawings (*if filed*)
  - h.  Detailed Description
  - i.  Claim(s) as Classified Below
  - j.  Abstract of the Disclosure

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## Application Elements (Continued)

3.  Drawing(s) (when necessary as prescribed by 35 USC 113)

a.  Formal Number of Sheets \_\_\_\_\_  
b.  Informal Number of Sheets 14

4.  Oath or Declaration

a.  Newly executed (*original or copy*)  Unexecuted  
b.  Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)  
c.  With Power of Attorney  Without Power of Attorney  
d.  DELETION OF INVENTOR(S)

Signed statement attached deleting inventor(s) named in the prior application,  
see 37 C.F.R. 1.63(d)(2) and 1.33(b).

5.  Incorporation By Reference (*usable if Box 4b is checked*)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied  
under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby  
incorporated by reference therein.

6.  CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)

7.  Application Data Sheet (See 37 CFR 1.76)

8.  Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all must be included*)

a.  Computer Readable Form (CFR)

b.  Specification Sequence Listing on:

i.  CD-ROM or CD-R (2 copies); or

ii.  Paper

c.  Statement(s) Verifying Identical Paper and Computer Readable Copy

## Accompanying Application Parts

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(B) Statement (when there is an assignee)

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement/PTO-1449  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)

15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)

16.  Certificate of Mailing

First Class  Express Mail (Specify Label No.): EV 325803721 US

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**Accompanying Application Parts (Continued)**

17.  Applicant claims small entity status. See 37 CFR 1.27.

(Optional) Small Entity Statement(s) - Specify Number of Statements Submitted: \_\_\_\_\_

18.  Additional Enclosures (*please identify below*):

**Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)**

19.  Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

**Warning**

***An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.***

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**Fee Calculation and Transmittal**

**CLAIMS AS FILED**

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	16	- 20 =	0	x \$9.00	\$0.00
Ind p. Claims	5	- 3 =	2	x \$42.00	\$84.00
Multiple Dependent Claims (check if applicable)	<input type="checkbox"/>				\$0.00
				<b>BASIC FEE</b>	<b>\$375.00</b>
OTHER FEE (specify purpose)					\$0.00
				<b>TOTAL FILING FEE</b>	<b>\$459.00</b>

A check in the amount of **\$459.00** to cover the filing fee is enclosed.

The Director is hereby authorized to charge and credit Deposit Account No. **500843** as described below.

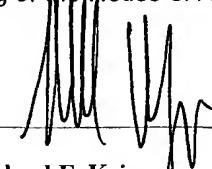
Charge the amount of \_\_\_\_\_ as filing fee.

Credit any overpayment.

Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.

Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: July 10, 2003



Signature

Michael F. Krieger  
Attorney for Applicant  
Attorney Registration No. 35,232  
KIRTON & McCONKIE  
1800 Eagle Gate Tower  
60 East South Temple  
Salt Lake City, Utah 84111  
Telephone: (801) 328-3600

cc:

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**

Applicant(s): Douglas S. Horne et al.

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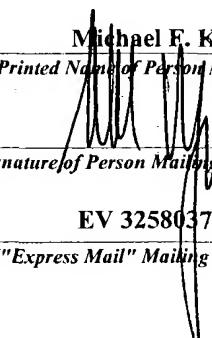
Serial No.  
not yet assignedFiling Date  
July 16, 2003Examiner  
not yet assignedGroup Art Unit  
n/aInvention: **METHODS FOR OBTAINING QUICK AND REPEATABLE ELECTRICAL SIGNALS IN LIVING ORGANISMS**

I hereby certify that the following correspondence:

**Utility Patent Application Transmittal Letter, Utility Patent, Drawings, Declaration and Power of Attorney, Recordation Form Cover Sheet, Assignment, Check, and Postcard***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

on

July 16, 2003*(Date)*  
**Michael F. Krieger***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***EV 325803721 US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**